



Protein localization via α -SIN1 antibody in vegetative shoot apical meristems. Panels A, C, F, and I are probed with α -SIN1 antibody, panels B, D, G, and J are probed with the pre-immune sera and panels E, H, and K are probed with α -PH3. (A and B) SIN1 protein is detected in the shoot apical meristem (sam) and emerging leaves (le) of wild type plants. (C through K) SIN1 protein is detected in the SAM and emerging leaves of plants expressing the 6.2Kb SIN1 cDNA under the 35S promoter at approximately equal to wild type levels. Panels C, D and E are longitudinal sections of pST33 transgenic line 2, panels F, G and H are longitudinal sections of pST33 transgenic line 9, and panels I, J and K are longitudinal sections of pST33 transgenic line 12. In addition, the meristems of some of the transgenic seedlings appear less domed and in some cases reduced when compared to wild type.

FIGURE 4